



MAINE DEPARTMENT OF TRANSPORTATION
American Council of Engineering Companies (ACEC-Maine)
Multimodal Subcommittee
2022-03-02 Meeting Notes – Via Teams

MEMBERS	Jeff Tweedie, MaineDOT (<i>could not attend</i>) Nate Benoit, MaineDOT (<i>could not attend</i>) Mike Laberge, MaineDOT Aurele Gorneau II, MaineDOT Ted Trembley, City of Bangor (<i>could not attend</i>)	Tim Bryant, VHB Don Ettinger, Gorrill Palmer Adam Stockin, WSP Lynn Frazier, Sewall
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Subcommittee Mission: Improve communication between MaineDOT and Consultants and assist MaineDOT in achieving Multimodal Program goals.

The following items were discussed:

1. Discussed the rotation schedule for the consultant members of the subcommittee. This was the last meeting for Tim Bryant of VHB, who has rotated off and Bruce Munger of HNTB has rotated on. Don Ettinger has taken over the subcommittee chair role with Tim Bryant's departure.
2. The subcommittee assumes that the marine specifications and rail specifications tasks from prior years are now complete, and no additional actions are needed by the subcommittee.
3. Tim Kelley attended a prior subcommittee meeting (12/1/2021) to discuss pavement designs and 403 pavement special provisions on locally administer projects (LAP). Involvement by the pavement team earlier in the design process was discussed. Key items for consultant consideration included pavement lifts , pavement designs and sawcut locations. Tim Kelley agreed to develop a cheat list of pavement design tips for LAP projects.
4. Mike Laberge mentioned that the Department is seeing delays in the right of way process and specifically non-compliant CAD files received from consultants on LAP projects. It was mentioned that subconsultants could be hired to assist in converting AutoCAD files to MicroStation.
5. A lesson learned training class specific to LAP projects was discussed, like what the Highway Program has done in past years. No decision was made on this topic.
6. Multiuse trail projects along railroad corridors were discussed. It was noted that the Department has some guidance on placement of trails next to railroads. The guidance appears to be older and not published on the website. There was discussion of this subcommittee possibly assisting the Department on the development of an updated Trail with Rail policy.
7. There was discussion on setting realistic schedules on LAP projects with municipal clients. It is not uncommon for an LAP project to take three years to design when including the right of way process.
8. There was discussion on developing construction cost estimates and being able to access the Department's data base for average unit prices. Currently the consultant develops a cost estimate, and the DOT project manager will independently check the estimate using their internal data base. The higher estimate is usually carried forward. It was noted that contingencies should be considered on 25%, 50%, 75% estimates. It was also noted

that NH and VT provide consultants with access to the historic bid information (average unit price information).

9. Development of LAP specification books by consultants is going well. The website is well organized and easy to follow. The Department is seeing no issues with this item.
10. There may be an opportunity for this subcommittee to assist the Department in developing guidance, guidelines and/or training on design of traffic signal projects. Topics that could be addressed include:
 - Traffic data collection (turning movement counts)
 - Traffic analysis and modeling (LOS, queue lengths, phasing, timing)
 - Video detection, advanced detection, emergency preemption
 - Span wire configuration with wood poles, steel strain poles, mast arm poles, dual purpose poles
 - Lighting design on signals
 - ATC controller / cabinet specification and details and ATC cabinet foundation designs
 - Signal plans (what should be included)
 - Signal details (what should be included)
 - Signal notes (what should be included or should there be standardized notes for signal projects)
 - Geotechnical borings for signal projects
 - Structural loadings and foundation designs for signal projects
 - Flashing beacon designs
 - RRFB designs
 - Pedestrian accommodations at traffic signals

11. Other Items:

Next meeting: The 2022 Q2 meeting will be held Wednesday June 8, 2022, from 1:00-2:00PM via Teams.

Action Items

1. Tim Kelley to develop a cheat sheet on pavement design tips for LAP projects.
2. Team members will continue to develop ideas for improving LA project delivery.
3. Don will develop and distribute the notes from this meeting. *(Completed.)*